

Message

From: Nwosu, Bernard [Ben.Nwosu@WestonSolutions.com]
Sent: 8/11/2016 1:15:03 PM
To: Gaughan, Daniel [Gaughan.Daniel@epa.gov]
Subject: FW: Canadian Radium & Uranium Site - Revised Validated Analytical Results Table
Attachments: CRU_Table 8A_Validated_Rad Soil Analytical Results_160810.pdf; CRU_Table 9_Validated_SAT Rad Soil Analytical Results_160810.pdf

I have also updated SAT's data with the correct PRG. Please see attached. Based on this revised table, sample S08 (24-36) [which according to SAT's report was collected at an assumed background location near the northeast corner of Property C003] indicated exceedance of Ra-226.

Please let me know if you have any questions.

Thanks,

Ben Nwosu

Senior Project Scientist / Group Leader
Weston Solutions, Inc.

From: Nwosu, Bernard
Sent: Thursday, August 11, 2016 8:32 AM
To: Gaughan, Daniel (Gaughan.Daniel@epa.gov) <Gaughan.Daniel@epa.gov>
Subject: Canadian Radium & Uranium Site - Revised Validated Analytical Results Table

Good morning Dan,

I was in the process of updating the validated analytical data for the Holy Trinity Site (HTC) with the site-specific action levels/PRG when I realized that I had inadvertently used the PRG for HTC to compare the analytical results for the Canadian Radium Site (CRU). The Attached is a revised table updated with the correct PRGs for CRU. Please see Lindsey's email below with the PRG list.

Based on this revised table, in addition to the locations exhibiting exceedance of Ra-226 in the prior table, sample (C001-SS001-0012-01) and duplicate (C001-SS001-0012-02) collected at the 0-12 inches depth interval from C001-SS001 located on the MTA property along the shared fence with Hickory Homes and Properties indicated exceedance of Ra-226 above the site-specific action level.

If you confirm that you have no additional comments or inclusion, please permit me to go ahead and prepare the final report while updating it with the revised data table and narrative.

I apologize for this oversight.

Thanks,

Ben Nwosu

Senior Project Scientist / Group Leader
Weston Solutions, Inc.

From: Nguyen, Lyndsey [mailto:Nguyen.Lyndsey@epa.gov]
Sent: Monday, April 25, 2016 4:48 PM
To: Daly, Eric <Daly.Eric@epa.gov>; Nwosu, Bernard <Ben.Nwosu@WestonSolutions.com>
Subject: PRGs for each radionuclides at each of the sites

Howdy Eric and Ben!

Below are the PRG numbers for each radionuclides at each of the sites. Please let me know if I am missing anything from the lists below needed to regenerate the maps, tables, diagrams for the sites. Sorry, this took so long.

Canadian Radium & Uranium:

Isotope	Total PRG (pCi/g)
Ac-228	1.28E+05
Bi-212+D	6.44E+06
Bi-214+D	1.31E+06
Cs-137+D	1.12E+01
K-40	2.67E+01
Pb-210	4.18E+02
Pb-212	6.57E+05
Pb-214	7.33E+06
Ra-224+D	7.78E+05
Ra-226+D	2.52E+00
Ra-228+D	1.62E+01
Th-228	1.33E+04
Th-230	2.06E+03
Th-232+D	5.11E+00
Th-234+D	4.75E+04
Ti-208	3.40E+06
U-234	3.26E+03
U-235+D	3.77E+01
U-238+D	1.58E+02

Holy Trinity Cemetery:

Isotope	Total PRG (pCi/g)
Ac-228	2.07E+05
Bi-210	1.54E+07
Bi-212+D	1.04E+07
Bi-214+D	2.11E+06
Cs-137+D	1.80E+01
K-40	4.30E+01
Pa-234	1.16E+05
Pb-210	1.32E+03
Pb-212	1.06E+06
Pb-214	1.18E+07
Ra-224+D	1.40E+06
Ra-226+D	4.06E+00
Ra-228+D	2.63E+01
Th-228	3.10E+04
Th-230	6.16E+03
Th-232	6.26E+03
Th-234+D	7.67E+04
Ti-208	5.47E+06
U-234	1.03E+04
U-235+D	6.09E+01
U-238	1.17E+04

Niagara Falls Boulevard:

Isotope	Total PRG (pCi/g)
Ac-228	1.26E+05
Ba-212+D	8.33E+06
Ba-214+D	1.29E+06
Cs-137+D	1.10E+01
K-40	2.59E+01
Pb-234	7.11E+04
Pb-212	6.61E+05
Pb-214	7.20E+06
Ra-224+D	7.71E+05
Ra-226+D	2.48E+00
Ra-228+D	1.59E+01
Th-228	1.41E+04
Th-230	2.09E+03
Th-232	2.02E+03
Th-234+D	4.79E+04
Ti-208	3.43E+06
U-234	3.33E+03
U-235+D	3.92E+01
U-238	3.72E+03

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